



Seminar on the use of Radar Inlet Observing System (RIOS) technology and applications for Design and Operations Branches within USACE-LRE

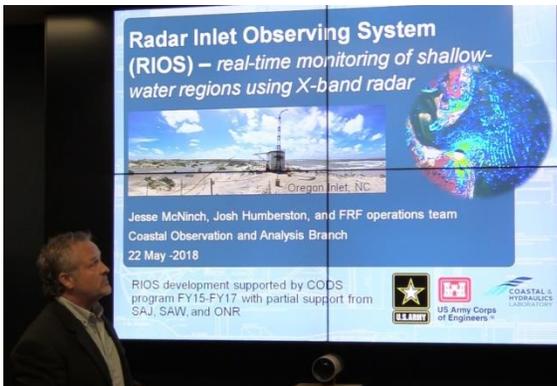
ERDC Dredging Operations Technical Support Program (DOTS)

U.S. ARMY CORPS OF ENGINEERS

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Response Summary:

USACE-LRE requested DOTS support for a training seminar on the potential use and application of the Radar Inlet Observing System (RIOS) at various ongoing Design and Operations Projects. During the subsequent brainstorming sessions following the seminar, a deployment site was identified at Port Huron, MI. The navigation channel at Port Huron, particularly at the mouth of the St. Claire River and Lake Huron, is a critical transportation link and one that experiences several challenges related to channel maintenance (e.g. shoaling, ice dams). The US Coast Guard Station at Port Huron also experiences shoaling and navigation challenges at the mouth of their boat basin.



Period of Performance:

Seminar given May 22, 2018; Field deployment of RIOS system in response to seminar: 29 Sep – 3 Oct 2018.

Benefits of the Response to the USACE Dredging/Navigation Program:

Real-time measurements of navigation conditions and shoal migration into navigation channels are being performed by RIOS at Port Huron, MI in direct response to the DOTS-funded seminar. USACE-LRE is funding the deployment and we have further developed interest within the US Coast Guard where the RIOS is being hosted at the USCG-Port Huron station.



Deliverable:

Data from the Port Huron RIOS deployment are being posted in real-time to our RIOS webpage and will be accessible to USACE-LRE and USCG personnel.



Providing environmental and engineering technical support to the U.S. Army Corps of Engineers Operations and Maintenance navigation and dredging missions

Jesse McNinch
 CHL-COAB • jesse.mcninch@usace.army.mil

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